

Amendments to the Claims

Claim 1 (**Currently Amended**) A projection display device comprising:

a white light source;

a condensing means for condensing light emitted from the white light source to form a condensed spot on a color wheel including a plurality of color filters having respective colors;

a color selection means for selectively passing through light of each color band of the light of the condensed spot, in a predetermined order, by rotating the color wheel;

an illumination means for condensing the light which has passed through the color selection means;

a spatial light modulator for modulating the light ~~from the illumination means incident thereon~~ which has passed through the color selection means;

a projection means for projecting the light modulated by the spatial light modulator onto a screen; ~~and~~

a shading means having an opening which is disposed at one of an incident side of the color selection means and an output side of the color selection means; ~~and for, when a size of the condensed spot on the color wheel has increased due to an increase in light emission of the white light source, shading a portion of the light passing through the color wheel corresponding to the increased size of the condensed spot~~

a spatial light modulator driving means for driving the spatial light modulator to display black during a period in which light which has passed through the opening has passed through two adjacent color filters and contains two colors.

Claim 2 (**Currently Amended**) The projection display device of Claim 1, wherein

the shading means comprises a diaphragm having ~~the~~ an opening of a predetermined size, through which the incident light is passed, and a width of the opening of the diaphragm with respect to a rotational direction of the color wheel is set to be equal to or smaller than a diameter of ~~the~~ a condensed spot which is formed on the color wheel at an initial use of the white light source.

Claim 3 (Previously Presented) The projection display device of Claim 1, wherein
the shading means has a light passing part, and a size of the light passing part varies according to a wavelength of the light which has passed through the color selection means.

Claim 4 (Previously Presented) The projection display device of Claim 1, wherein
the shading means has a light passing part, and
the projection display device further comprises a light elimination means for partially eliminating light of a specific wavelength band, from the light which is incident on the light passing part of the shading means.

Claim 5 (Previously Presented) The projection display device of Claim 1, wherein
the shading means is placed on an emission side of the color selection means.

Claim 6 (Previously Presented) The projection display device of Claim 1, wherein
the shading means is placed at a 5 mm or smaller air gap apart from the color selection means.

Claim 7 (Previously Presented) The projection display device of Claim 1, wherein
the white light source is an extra-high pressure mercury lamp.

Claim 8 (Previously Presented) The projection display device of Claim 1, wherein
the condensing means is an ellipsoidal mirror.

Claim 9 (Previously Presented) The projection display device of Claim 8, wherein
the color selection means has a light passing surface or a light reflecting surface located in a vicinity of a long focus of the ellipsoidal mirror.

Claim 10 (Previously Presented) The projection display device of Claim 1, wherein
a plane that is orthogonal to an optical axis of the shading means is approximately circular in cross section.

Claim 11 (**Previously Presented**) The projection display device of Claim 10, wherein the shading means is approximately columnar.

Claim 12 (**Previously Presented**) The projection display device of Claim 10, wherein the shading means is approximately conical.

Claim 13 (**Previously Presented**) The projection display device of Claim 1, wherein each of the plurality of color filters is fan-shaped.